

**Claim Listing**

Please enter the following claim listing, which replaces all existing claims.

1-46 (canceled)

47. (currently amended) A substantially planar substrate which is part of a biological assay system comprising:  
several discrete hydrophilic regions on ~~a at least one~~ planar surface, ~~each of the~~  
hydrophilic regions being separated from other hydrophilic regions ~~surrounded by a~~  
hydrophobic region, wherein the hydrophilic regions are designed to accommodate a chip  
having a hydrophilic surface and a surface opposed thereto with or an array of particles,  
~~or an array of particles deposited thereon a chip,~~ and wherein a biological reagent is  
~~bound to~~ associated with the particles.

48. (canceled)

49. (previously presented) The substrate of claim 47 wherein the hydrophilic regions are within the perimeter of indentations in the planar surface of the substrate, said indentations being surrounded by the hydrophobic regions.

50. (previously presented) The substrate of claim 47 wherein different types of particles have different biological reagents bound thereto.

51-54 (canceled)

55. (newly added) The substrate of claim 47 wherein the substrate comprises silicon or doped silicon.